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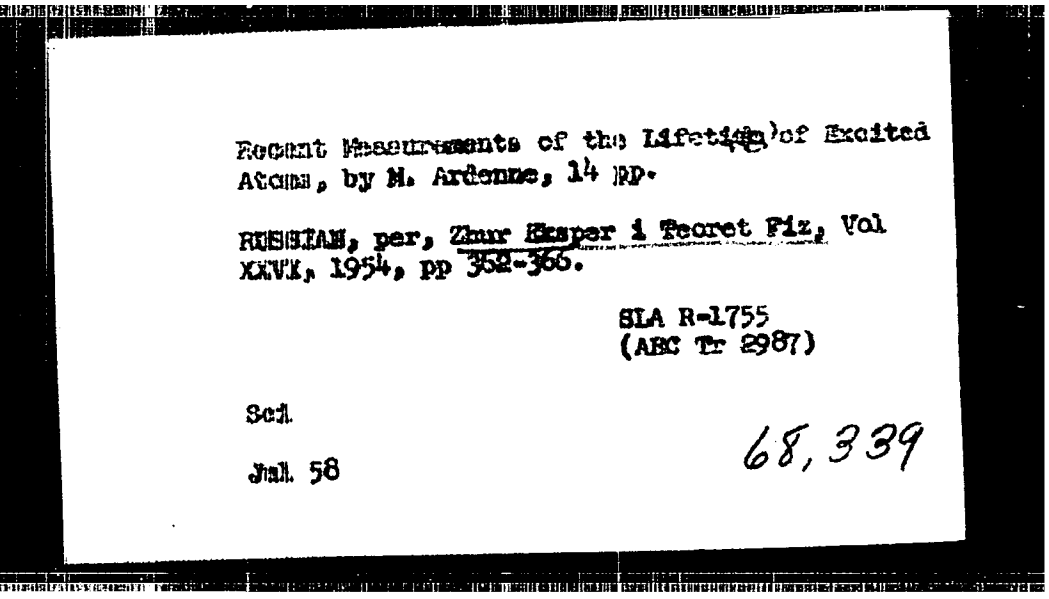

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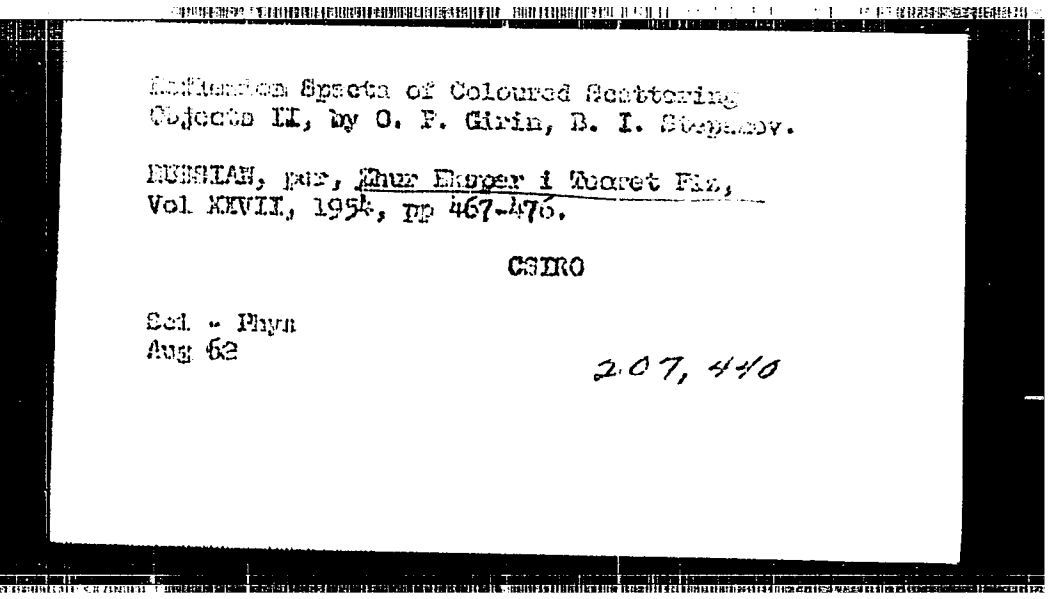

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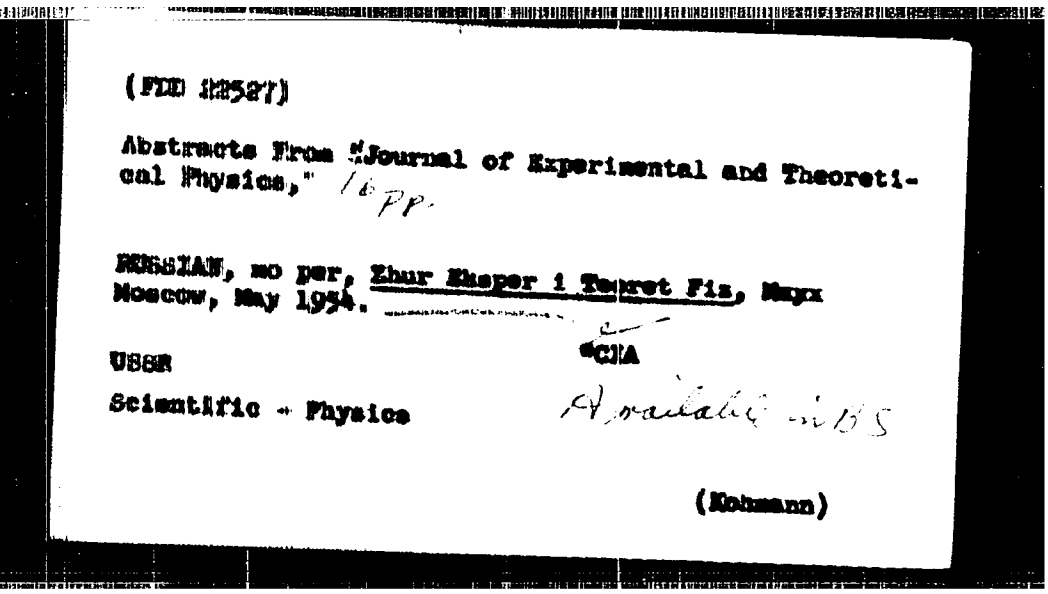

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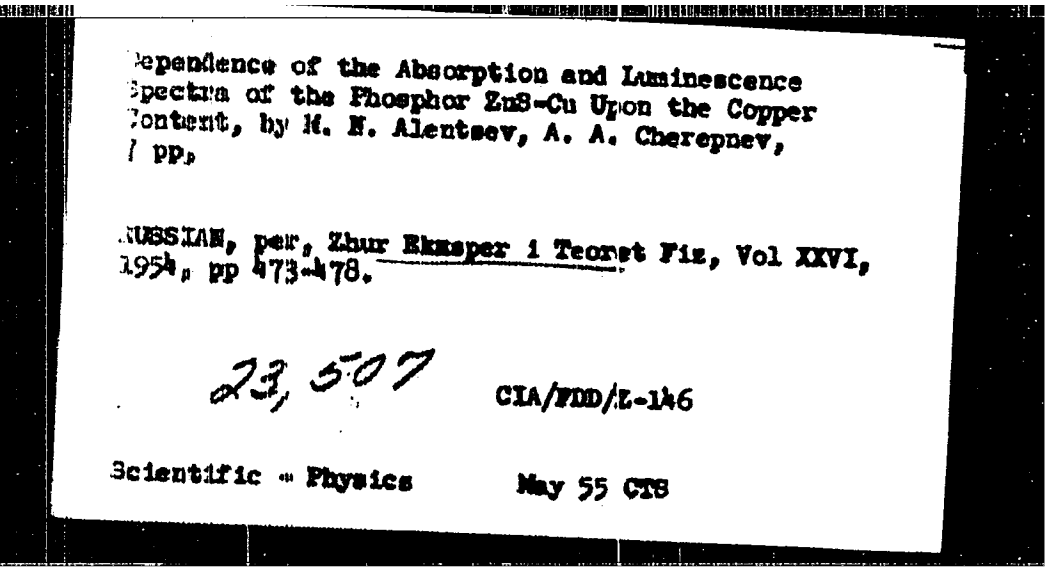

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Scientific - Physics, Electricity Sep 55 CTS

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Ostroumov, G. A.
ELECTROSTATIC CONVECTION IN ELECTROLYTES. [Jan 64] 13p
Order from ATS $14.85 ATS-03Q73R

Trans. of Zh[urnal] Eksperim[ental'noi] i Teor[eticheskoi] Fiz[iki] (USSR) 1954, v. 26, no. 5, p. 585-597.

DESCRIPTORS: Electrolytes, *Heat transfer, Electrostatics, *Thermal radiation.

(Physics--Thermodynamics, TT, v. 11, no. 9)

TT-64-12430

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AEC Tr 2602

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Fradkin, E. S.
ON RENORMALIZATION IN QUANTUM ELECTRODYNAMICS. [1962] [5]p. 3 refs.
Order from OTS or SLA $1.10 62-10647

Trans. of Z[hurnal] E[ksperimental'noi i] T[eoretich-eskoi] F[iziki] (USSR) 1954, v. 26, no. 6, p. 751-754.

DESCRIPTORS: *Electrons, *Photons, *Perturbation theory, *Green's function, Integrals, Operators (Mathematics), Differential equations.

The equations for the Green's function are formulated so that they contain only renormalized quantities expressed in terms of experimental values of the charge and mass of the electron. The renormalization is carried out in very general form in order that the results may be carried over to mesodynamics without difficulty.

(Physics--Theoretical, TT, v. 8, no. 5)

62-10647

1. Title: Quantum electrodynamics
2. Title: Renormalization
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CONDUCTIVITE DES COUCHES MINCES MÉTALLIQUES (Conductivity of Thin Metallic Films).6p.
CNRS-X 318
Order from OTS, ETC or CNRS $0.80 TT-62-28086

Trans. in French of Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1954, v.27, no.6, p.762-763.

DESCRIPTORS: *Metals, *Thin films, *Electrical conductance.

(Physics--Electricity, TT, v. 11, no. 6)

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Gertsenshtein, M. E.
ENERGY CORRELATIONS IN A SPATIALLY DISPERSED MEDIUM. [1963] 6p. 4 refs.
Order from OTS or SLA $1.10 63-14449

Trans. of Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1954, v. 26, no. 6, p. 680-685.

DESCRIPTORS: *Energy, *Electromagnetic theory, Electrons, Plasma physics, Tensor analysis.

(Physics--Electricity, TT, v. 10, no. 8)

63-14449

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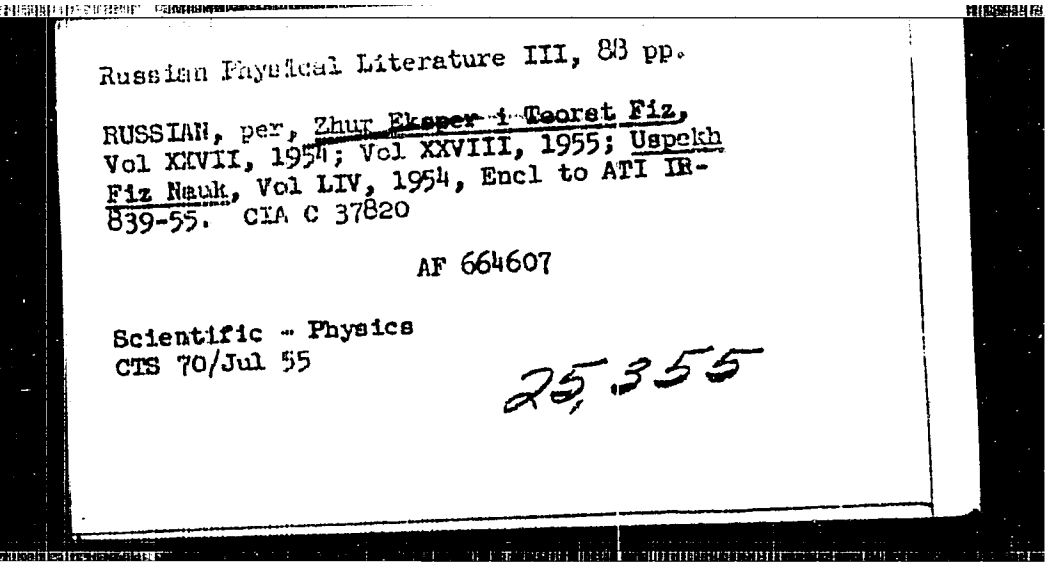

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